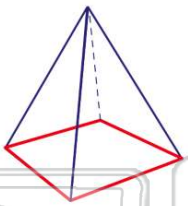
Three dimensional geometry/Measurement

Math H

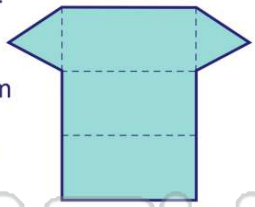
Name _____ Class _____ Date _____

1 The **base** of the pyramid shown is a _____.



A triangle
B rectangle
C square
D circle

2 The **net** shown can be folded to make which **polyhedron**?



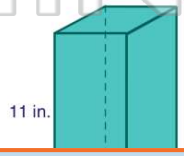
A pyramid
B rectangular prism
C cone
D triangular prism

3 How many **faces** does a **rectangular prism** have?

A 4
B 6
C 8
D

4 What is the **volume** of the rectangular prism shown?

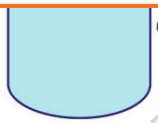
$V = \ell wh$



A 18 in.^{3}
B 56 in.^{3}
C
D

5

7

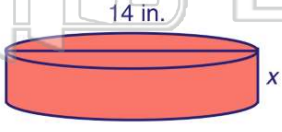


A 37.68 in.
B 56.52 in.
C 75.36 in.
D 100.48 in.

A 121,580.8 ft^3
B 30,395.2 ft^3
C 2763.2 ft^3
D 1381.6 ft^3

9 If the volume of the object shown is **461.58 in.^{3}**, what is its **height**?

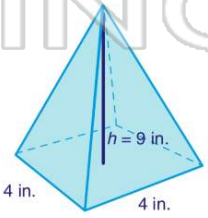
$V = \pi r^2 h$



A 21 in.
B 10.5 in.
C 3 in.
D ¾ in.

10 A pyramid has a **4 in. x 4 in.** base and a height of **9 in.**, what is its **volume**?

$V = \frac{1}{3} b^2 h$

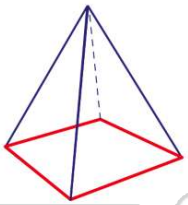


A 48 in.^{3}
B 72 in.^{3}
C 96 in.^{3}
D 144 in.^{3}

ANSWER KEY

The **base** of the pyramid shown is a _____.

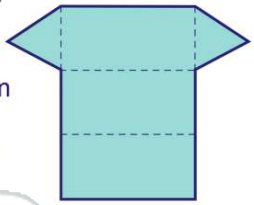
A triangle
B rectangle
C square
D circle



c

The **net** shown can be folded to make which **polyhedron**?

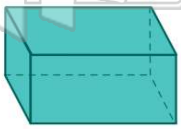
A pyramid
B rectangular prism
C cone
D triangular prism



d

How many **faces** does a **rectangular prism** have?

A 4
B 6
C 8
D 12

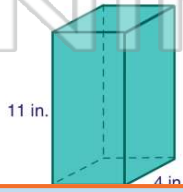


b

What is the **volume** of the rectangular prism shown?

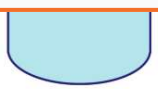
$V = \ell wh$

A 18 in.^{3}
B 56 in.^{3}
C 122 in.^{3}
D 132 in.^{3}



d

B 56.52 in.
C 75.36 in.
D 100.48 in.

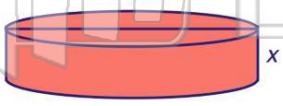


B 30,395.2 ft^3
C 2763.2 ft^3
D 1381.6 ft^3

If the volume of the object shown is **461.58 in.^{3}**, what is its **height**?

$V = \pi r^2 h$

A 21 in.
B 10.5 in.
C 3 in.
D ¾ in.



c

A pyramid has a **4 in. x 4 in.** base and a height of **9 in.**, what is its **volume**?

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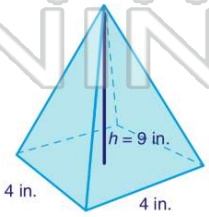

a